

WHAT IS CLAIMED IS:

1. A twin column electronic height gauge comprising:
a first column and a second column;
a display unit with cover and measuring scribe;
a fixed capacitive sensor;
a linear moving capacitive sensor;
whereby an apparatus providing accurate and precise measurements will be provided.
2. The fixed capacitive sensor of claim 1, wherein said fixed capacitive sensor is placed in a shallow groove on a flat side of said first column;
3. The first column of claim 1 further comprising a flat surface on said first column; said fixed capacitive sensor is installed on said flat surface, said flat surface having a length equal to that of entire said first column.
4. The flat surface of the first column as in claim 3, wherein a shallow groove is incorporated for the assemblage of said fixed capacitive sensor.
5. The second column as in claim 1, wherein a toothed rack is applied on the surface of said second column whereby a hand wheel is assembled to a rear portion of said display unit coupled to a gear inside said display unit.

6. The hand wheel according to claim 5, wherein said gear, and said toothed rack on said second column work in conjunction thereby creating controlled upward and downward movements, thereby causing images to be sent to said display unit.

7. The linear moving capacitive sensor of claim 1, wherein said linear moving capacitive sensor is installed inside said display unit cover and facing said fixed capacitive sensor attached to said first column;

8. The linear moving capacitive sensor of claim 7 having no direct physical contact with said fixed capacitive sensor; said linear moving capacitive sensor having electrical contact with said fixed capacitive sensor thereby causing a transfer of data to an electronic processor located in said display unit cover and thereby causes a display of figures to be viewed on an LCD display.